

ABSTRACT

The invention relates to a fuel cell comprising a separator plate that is positioned between electrolyte-electrode units, said plate consisting of two embossed panels with contact surfaces that rest against one another. A fluidic chamber for a coolant is configured between the two panels and a fluidic chamber for a gas is configured between each panel and the respective adjacent electrolyte-electrode unit. The fluidic chamber for the coolant comprises two sub-chambers, each facing a respective panel, and said coolant traverses the fluidic chamber exclusively in an alternate manner through the two sub-chambers.